

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A INTERSECTION CONTROL BEACON AT THE SOUTH ENTRANCE OF BOHEMIA MANOR HIGH SCHOOL AND A HAZARD IDENTIFICATION BEACON APPROX 470 FEET NORTH OF N.BASIL AVENUE.

MD 213 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION WILL OPERATION WITH FLASHING YELLOW INDICATIONS FOR MD 213 AND FLASHING RED INDICATIONS FOR THE EXIT OF BOHEMIA MANOR HIGH SCHOOL.

A TWO-CIRCUIT FLASHER UNIT WITH PHOTO-CELL DIMMER SWITCH, N.I.C.UNIT AND INTERSECTION MONITOR WITH BATTERY BACK-UP HOUSED IN A "G" TYPE POLE-MOUNTED CABINET WILL BE INSTALLED AT THE LOCATION FOR THE HAZARD IDENTIFICATION BEACON.

SPECIAL NOTES

UPON COMPLETION OF THE PROJECTS, THE CONTRACTOR SHALL NOTIFY MS. SCHERYL BROWN AT (410)787-7635 TO ARRANGE FOR THE PHONE LINES INSTALLATION. THE CONTRACTOR IS TO PROVIDE MS.BROWN WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

EQUIPMENT LISTS

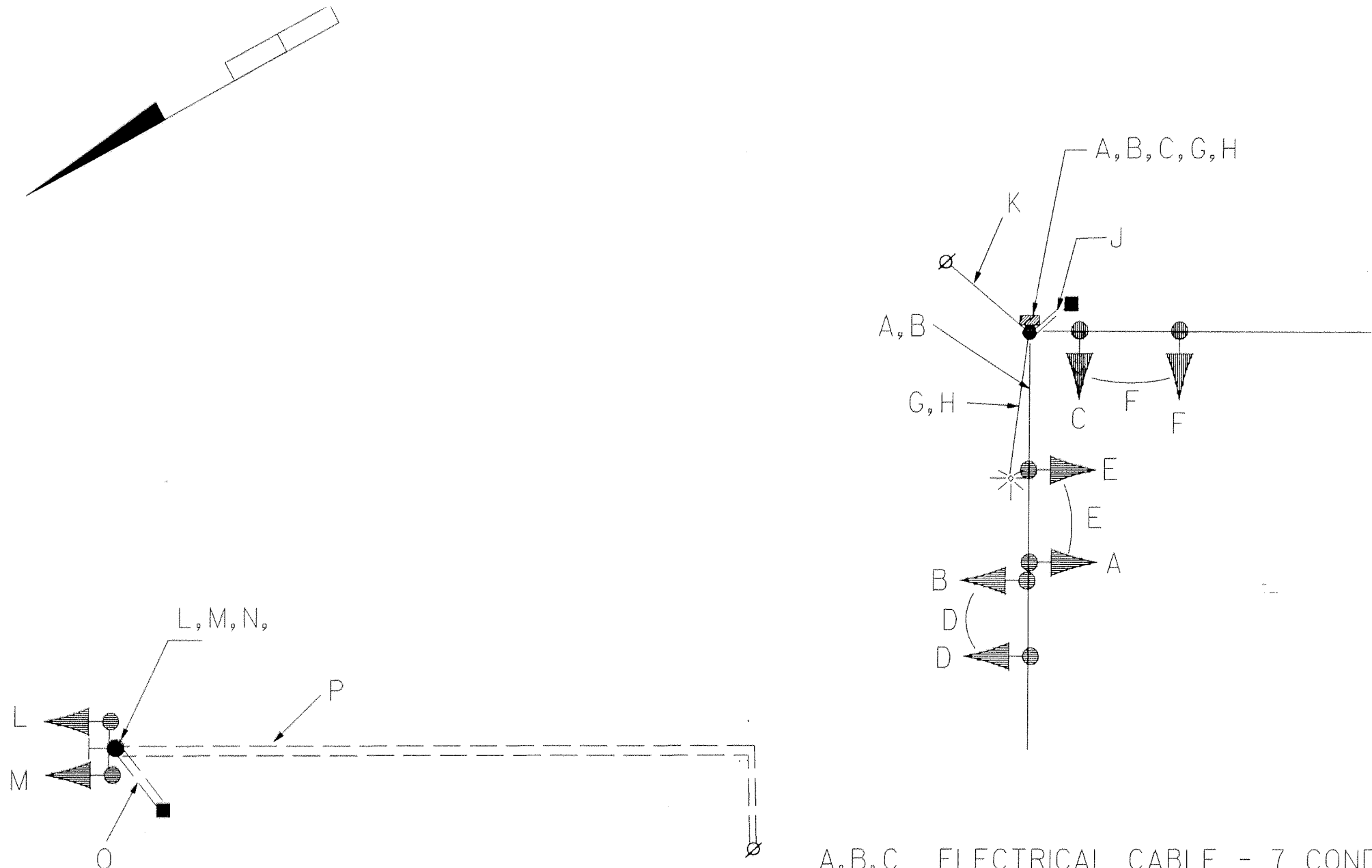
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION.

ITEM	QUANTITY	DESCRIPTION
9012	6 EA.	12" ONE-WAY, ONE SECTION 4 EACH (Y) AND 2 EACH (R) SIGNAL HEAD - MAST ARM MOUNTED
9026	2 EA.	12" ONE-WAY, ONE SECTION (Y) SIGNAL HEAD - PED POLE MOUNTED
9068	1 EA.	2 CIRCUIT FLASHER
9076	1 EA.	CABINET "G" TYPE POLE MOUNTED
9080	1 EA.	CABINET INTERSECTION MONITOR, SIZE 5
9089	12 SF.	SI-10 SCHOOL SIGN 36" x 48" - POLE MOUNTED
9092	2 EA.	INTERSECTION MONITOR IIW/BATTERY BACKUP

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

ITEM	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2001	1 CY.	TEST PIT EXCAVATION
6001	24 SF.	FURNISH AND INSTALL 4 INCH CONCRETE SIDEWALK
6003	375 LF.	FURNISH AND INSTALL TRAFFIC BEAM W BEAM
6005	2 EA.	FURNISH AND INSTALL TRAFFIC BARRIER W BEAM END TREATMENT
8001	6 CY.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8003	1 EA.	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE
8011	8 EA.	INSTALL SIGNAL HEAD (ANY TYPE)
8019	2 EA.	INSTALL CONTROLLER AND CABINET - POLE MOUNTED
8027	210 LF.	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8033	2 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	2 EA.	FURNISH AND INSTALL GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGHT
8035	1 EA.	FURNISH AND INSTALL CONNECTOR KIT - TYPE 1
8036	1 EA.	FURNISH AND INSTALL CONNECTOR KIT - TYPE 2
8043	100 LF.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO.14 AWG)
8044	60 LF.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8045	200 LF.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)
8046	50 LF.	FURNISH AND INSTALL ELECTRICVAL CABLE - 2 CONDUCTOR (NO.12 AWG)
8048	500 LF.	FURNISH AND INSTALL ELECTRICAL CABLE - 1 CONDUCTOR (NO.8 AWG - THHN/THWN)
8049	25 LF.	FURNISH AND INSTALL NO.6 AWG STRANDED BARE COPPER GROUND WIRE
8050	150 LF.	FURNISH AND INSTALL ELECTRICAL CABLE - 1 CONDUCTOR (NO.4 AWG - THHN/THWN)
8053	12 SF.	INSTALL GROUND MOUNTED SIGN
8055	1 EA.	INSTALL BREAKWAY BASE SUPPORT SYSTEM FOR SIGNAL STRUCTURE
8056	1 EA.	FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL
8057	1 EA.	FURNISH AND INSTALL LIGHTING BRACKET ARM FOR TRAFFIC SIGNAL STRUCTURE
8061	1 EA.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8069	30 LF.	FURNISH AND INSTALL 1 INCH ELECTRICAL CONDUIT - GALVANIZED RISER
8070	2 EA.	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
8073	2 EA.	FURNISH AND INSTALL PHOTOCELL
8085	1 EA.	FURNISH AND INSTALL MAST ARM POLE AND TWIN 50 AND 60 FT MAST ARMS

WIRING DIAGRAM




A,B,C	ELECTRICAL CABLE - 7 CONDUCTOR - (NO.14 AWG)
D,E,F	ELECTRICAL CABLE - 5 CONDUCTOR - (NO.14 AWG)
G	ELECTRICAL CABLE - 2 CONDUCTOR - (NO.12 AWG)
H,L,M,N	ELECTRICAL CABLE - 3 CONDUCTOR - (NO.14 AWG)
J,O	NO.6 AWG BARE STRANDED COPPER WIRE
K	PROPOSED OVERHEAD SERVICE DP & L
P	PROPOSED UNDERGROUND SERVICE DP & L

NEMA PHASING

	1	2	3	4	5	6
	(Y)	(Y)	(Y)	(Y)	(R)	(R)
Flashing	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R
Operation						

LOG MILE NO. 07021308.18

REVISIONS		APPROVALS		<div> MARYLAND DOT - STATE HIGHWAY ADMINISTRATION <i>Office of Traffic & Safety</i> TRAFFIC ENGINEERING DESIGN DIVISION MD 213 @ BOHEMIA MANOR HIGH SCHOOL GENERAL INFORMATION</div>	
		ASSISTANT TRAFFIC ENGINEERING DESIGN DIVISION			
		ASST.DISTRICT ENGINEER, TRAFFIC			
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION			
		DIRECTOR, TRAFFIC & SAFETY			
DRAWN BY: _____		F.A.P. NO. <u>AC-STPG-000S(587)E</u>		PLAN SHEET NO.:	
CHECK BY: _____		S.H.A. NO. <u>AW276A59/854</u>		SHEET NO.	
SCALE: 1" = 20'		COUNTY <u>CECIL</u>		TS-3793 2 OF 2	